

Package ‘caGUI’

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Type Package

Title A Tcl/Tk GUI for the functions in the ca package

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Depends R (>= 2.0.0), rgl (>= 0.64-10), ca (>= 0.2-1), tcltk2 (>= 1.0-7), RODBC

Description A Graphical User Interface (GUI) for computation and visualization of simple, multiple and joint correspondence analysis with the ca package.

License GPL

LazyLoad yes

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Description

A Tcl/Tk Graphical User Interface (GUI) for computation and visualization of simple, multiple and joint correspondence analysis with the functions of the ca package.

Usage

```
caGUI()
```

Details

The main dialog window contains two tabs, one for Simple and another for Multiple and Joint Correspondence Analysis. The options for Simple, as well as for Multiple and Joint CA include supplementary and subset rows and/or columns, the dimensionality of the solution and the graphical options provided by the ca package.

Data sets can be loaded directly from the R environment by pressing the "Select" button, read from a text file, clipboard or Internet URL by pressing the "Read" button, or typed directly into the entry field. The "Select" button displays a listbox with a list of the active objects in the global environment. This list is restricted to objects with an adequate type (dataframe, matrix, factor, etc). The "Read" button (input data from file, clipboard, url) displays a dialog with the following options: missing data indicator, decimal-point character and field separator. Supported file formats: txt, csv, dat, xls, xlsx. Finally, data set names can be typed directly into the data set field. In that case, R expressions can also be entered, for example `wg93[,c(1:4)]`, `data$kol[1:20,1:5]`, `bad$plan$dat`, or `1:20`.

Once the user has finished interacting with the dialogs, the corresponding ca function is executed by pressing the "Run" button. The "Reset" button resets all dialogs to their default values.

Author(s)

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References

Nenadic, O. and Greenacre, M. J. (2007). Correspondence analysis in R, with two- and three-dimensional graphics: The ca package. *Journal of Statistical Software*, 20 (1).

Examples

```
## Not run: caGUI()
```

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